

WHAT IS CLAIMED IS:

1 1. An optical recording medium involving a guide groove
2 wherein the guide groove is allowed to meander over substantially
3 the whole length thereof to form wobble, and wobbled intermittent
4 sections where there is no meandrous area are placed at
5 predetermined positions in said wobble, comprising:

6 a first wobbled intermittent section for determining
7 reference position being disposed at at least one reference
8 position in said optical recording medium; and

9 furthermore, a second wobbled intermittent section being
10 disposed selectively at each predetermined position apart from
11 each reference position by a predetermined distance.

1 2. An optical recording medium involving a guide groove
2 wherein the guide groove is allowed to meander over substantially
3 the whole length thereof to form wobble, and wobbled intermittent
4 sections where there is no meandrous area are placed at
5 predetermined positions in said wobble, comprising:

6 a first wobbled intermittent section for determining
7 reference position being disposed at at least one reference
8 position in said optical recording medium; and

9 furthermore, third wobbled intermittent sections being
10 disposed selectively at at least one predetermined position
11 apart from each reference position by each predetermined
12 distance differing from one another.

1 3. An optical recording medium involving a guide groove

2 wherein the guide groove is allowed to meander over substantially
3 the whole length thereof to form wobble, and wobbled intermittent
4 sections where there is no meandrous area are placed at
5 predetermined positions in said wobble, comprising:

6 a first wobbled intermittent section for determining
7 reference position being disposed at at least one reference
8 position in said optical recording medium; and

9 furthermore, fourth wobbled intermittent sections each
10 having a different length from one another being disposed
11 selectively at each predetermined position apart from each
12 reference position by a predetermined distance.

1 4. An optical recording medium as claimed in claim 1,
2 wherein:

3 said first, second, third, or fourth wobbled intermittent
4 section has a length corresponding to natural number-fold of a
5 half cycle of the part other than said wobbled intermittent
6 section in said wobble.

1 5. An optical recording medium as claimed in claim 2,
2 wherein:

3 said first, second, third, or fourth wobbled intermittent
4 section has a length corresponding to natural number-fold of a
5 half cycle of the part other than said wobbled intermittent
6 section in said wobble.

1 6. An optical recording medium as claimed in claim 3,
2 wherein:

3 said first, second, third, or fourth wobbled intermittent
4 section has a length corresponding to natural number-fold of a
5 half cycle of the part other than said wobbled intermittent
6 section in said wobble.

Sub A 7. A method for recording and reading signals with respect
2 to an optical recording medium claimed in any one of claims 1
3 through 6, comprising the steps of:

4 detecting a first wobbled intermittent section for
5 determining reference position placed at at least one reference
6 position in said optical recording medium from push-pull signals
7 detected from wobble;

8 thereafter, detecting a wobbled intermittent section or
9 wobbled intermittent sections other than said first wobbled
10 intermittent section each of which is selectively disposed at
11 a predetermined position apart from said reference position by
12 a predetermined distance; and

13 utilizing information which has been recorded in said
14 wobbled intermittent section or sections other than said first
15 wobbled intermittent section to record or read said signals with
16 respect to said optical recording medium.

1 8. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 7, wherein:
3 the signals represented by said wobbled intermittent
4 sections are detected by means of two comparators in each of which
5 the upper limit is compared with the lower limit with respect
6 to said push-pull signals as well as of reference signals in

7 synchronous with wobble signals.

1 9. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 7, wherein:
3 one of said two comparators detects a first level or higher
4 levels of said push-pull signals, the other comparator detects
5 a second level or lower levels of said push-pull signals, and
6 the detection signals obtained from these comparators are
7 compared with said reference signals, whereby signals from the
8 wobbled intermittent sections are detected.

1 10. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 8, wherein:
3 one of said two comparators detects a first level or higher
4 levels of said push-pull signals, the other comparator detects
5 a second level or lower levels of said push-pull signals, and
6 the detection signals obtained from these comparators are
7 compared with said reference signals, whereby signals from the
8 wobbled intermittent sections are detected.

1 11. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 8, wherein:
3 each cycle of said reference signals corresponds to each
4 half cycle of said push-pull signals.

1 12. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 9, wherein:
3 each cycle of said reference signals corresponds to each

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4 half cycle of said push-pull signals.

1 13. A method for recording and reading signals with respect
2 to an optical recording medium as claimed in claim 10, wherein:
3 each cycle of said reference signals corresponds to each
4 half cycle of said push-pull signals.

sub&7
1 14. A device for recording and reading signals with respect
2 to an optical recording medium claimed in any one of claims 1
3 through 6, comprising:

4 a first wobbled intermittent section for determining
5 reference position placed at at least one reference position in
6 said optical recording medium from push-pull signals detected
7 from wobble;

8 a wobbled intermittent section detecting section for
9 detecting a wobbled intermittent section or wobbled intermittent
10 sections other than said first wobbled intermittent section each
11 of which is selectively disposed at a predetermined position
12 apart from said reference position by a predetermined distance;
13 and

14 a control section for taking out information, which has been
15 recorded in said wobbled intermittent section or sections other
16 than said first wobbled intermittent section, based on detection
17 signals from said wobbled intermittent section detecting section
18 and utilizing said information thereby to record or read signals
19 with respect to said optical recording medium.

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